

MAP4C Exam Rubric

Criteria	R <i>Insufficient</i>	Level 1 <i>Limited</i>	Level 2 <i>Some</i>	Level 3 <i>Considerable</i>	Level 4 <i>Thorough</i>
Knowledge and Understanding					
Knowledge of facts, terms, concepts, procedures	Work not related to the overall expectations of the grade 10 mathematics curriculum	Limited understanding of content and concepts Mathematics contains many errors	Some understanding of content and concepts Mathematics contains some errors	Considerable understanding of content and concepts Mathematics contains very few or no errors	Thorough understanding of content and concepts Mathematics contains no errors
Communication					
Expression and organization of ideas	Solution unorganized Insufficient use of correct mathematical vocabulary, symbols, labels, and conventions	Organization of mathematics poor Uses common language in place of mathematical vocabulary. Correct use of symbols, labels, and conventions is limited	Organization of mathematics satisfactory Few errors in vocabulary and only some common language in place of mathematical vocabulary. Usually uses mathematical symbols, labels, and conventions correctly	Organization of mathematics easy to follow Appropriate use of mathematical vocabulary. Consistently uses mathematical symbol, labels, and conventions correctly	Organization of mathematics clear and easy to follow Clear and precise language. Thorough use of symbols and mathematical vocabulary
Application					
Selection , use and sequencing of tools and strategies	Incorrect selection of tools	Selection and use of appropriate tools is limited , with major errors, omissions or mis-sequencing	Selects and uses some appropriate tools and strategies with minor errors, omissions or mis-sequencing	Selects and uses appropriate tools and strategies accurately and in logical sequence	Selects and uses appropriate tools accurately and efficiently
Transfer of ideas to situations drawn from other contexts	Insufficient transfer of ideas to other contexts	Limited transfer of ideas to other contexts; makes limited connections	Solves problems in familiar contexts; makes simple connections	Solves problems involving new contexts; makes appropriate connections	Solves problems in new contexts; makes thorough connections
Connections between representations	Insufficient connections made between different representations	Limited use of multiple representations	Some use of multiple representations. Misinterprets part(s) of the information	Appropriate use of multiple representations	Thorough use of multiple representations
Thinking					
Reasoning with justification	Insufficient evidence of reasoning	Limited evidence of reasoning	Some evidence of reasoning	Considerable evidence of reasoning	Thorough evidence of reasoning